

Gulf of Mexico Harmful Algal Bloom Bulletin

18 June 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: June 11, 2007

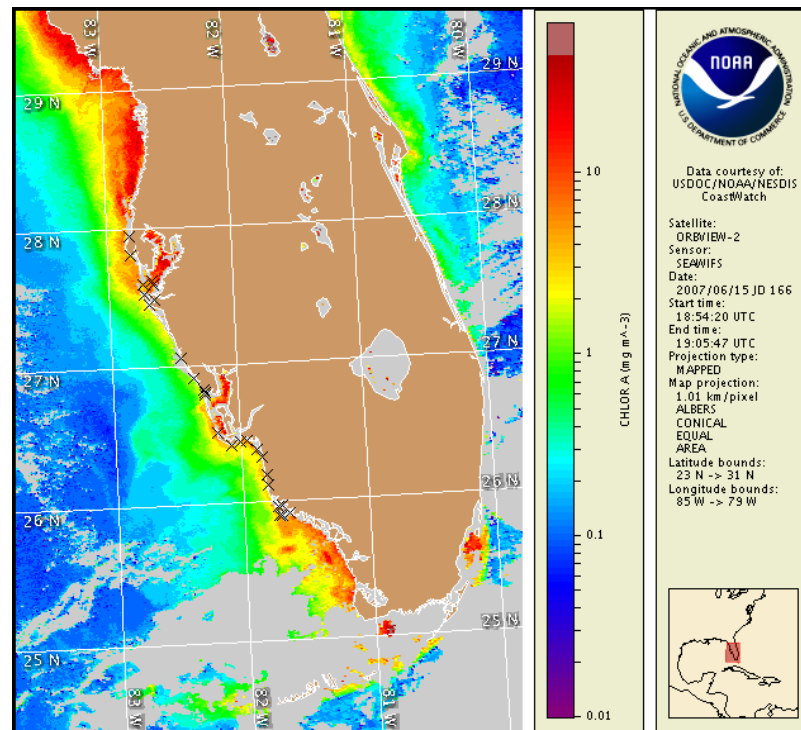
Conditions Report

There is currently no indication of harmful algal bloom presence alongshore southwest Florida, including the Keys region. No impacts are expected in any Florida county today through Thursday.

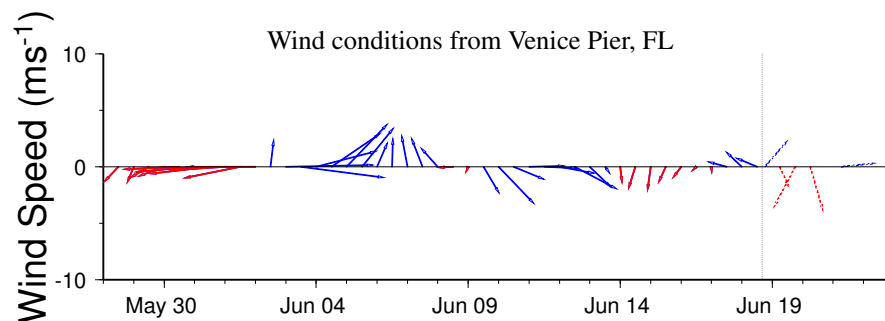
Analysis

Samples taken alongshore from Lee, Charlotte, and Pinellas Counties contained no presence of *Karenia brevis* (FWRI) from 6/12-6/13. Satellite imagery from 6/15 shows an elevated chlorophyll feature offshore of Monroe County, centered at 25°35'N, 81°22'W, with chlorophyll levels greater than 20 µg/L. This imagery also shows recently elevated chlorophyll (10 µg/L) south of Cape Romano, around 25°39'N, 81°40'W. A fish kill was reported last week in Manatee County; however, a cause has not yet been determined. Predominately onshore winds are expected throughout the week. Bloom formation is not expected.

Keller, Fisher



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from June 8-13 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

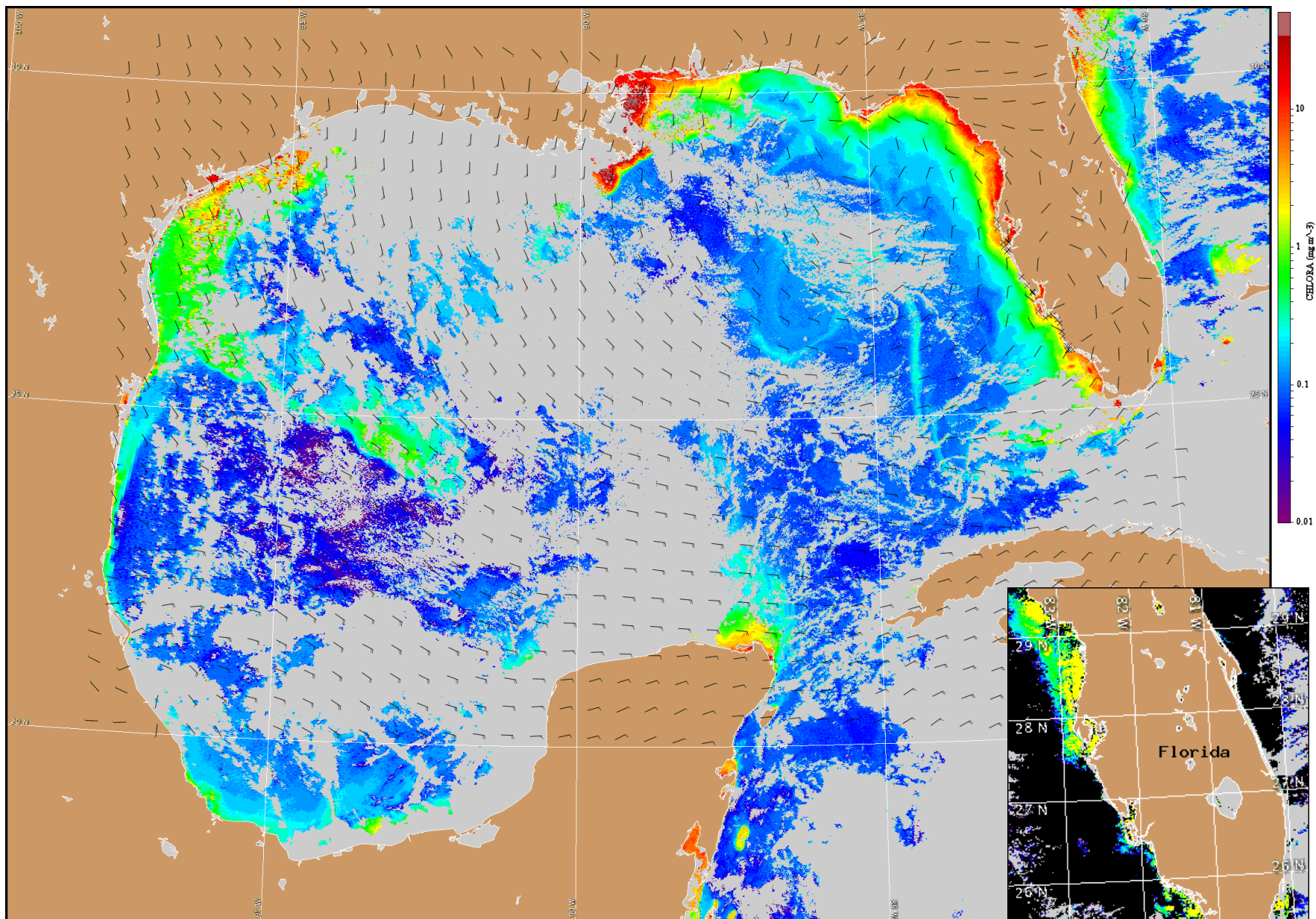


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Southeasterly winds today (becoming onshore in the afternoon), with southwesterly winds this evening at 5-10 knots (3-5 m/s). Northeasterly to northwesterly winds on Tuesday (becoming onshore) at 5-10 knots (3-5 m/s). Westerly winds on Wednesday, with southwesterly winds on Thursday at 10-15 knots (5-8 m/s).

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1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).